

## Claims

- [c1] 1.A mobile data processing device having a port for connecting an external power supply characterized by a further port for providing power to another mobile data processing device.
- [c2] 2.The mobile data processing device according to claim 1, wherein said further port is provided with a reference voltage required by said another mobile data processing device.
- [c3] 3.The mobile data processing device according to claim 2, wherein said reference voltage is generated by a mobile devices power server ((MD PS)) integrated into said mobile data processing device.
- [c4] 4.The mobile data processing device according to claim 3, wherein said (MD PS) comprises an input provided with power of a certain voltage (VDC) from a external power supply adapter providing power to said power supply device, one voltage regulator circuit for generating a reference voltage for an assigned power receiving device and an output for providing said generated voltage(s) to an assigned power receiving device.
- [c5] 5.The mobile data processing device according to claim 4, wherein said (MD PS) further comprises an input for providing power from a power subsystem & battery charger of said power supplying device and a switch for controlling supply of said power from said power subsystem & battery charger to said power receiving mobile device.
- [c6] 6.The mobile data processing device according to claim 5, wherein said (MD PS) further comprises a reference voltage generator for providing a reference voltage to said voltage regulator circuitry and a reference voltage selection circuit choosing said provided reference voltage.
- [c7] 7.The mobile data processing device according to claim 6, wherein said voltage generator supports several independent voltage regulator circuitries concurrently.
- [c8] 8.The mobile data processing device according to claim 7, wherein said (MD PS)

further comprises a protection circuit for protection of said (MD PS) against high voltages or statically discharges applied to said output.

[c9] 9.The mobile data processing device according to claim 8, wherein said (MD PS) comprises for each power receiving device an independent voltage regulator circuit, an independent protection circuit, and an independent output.

[c10] 10.The mobile data processing device according to claim 9, wherein said power supplying device is a notebook and said power receiving device is a mobile phone.

[c11] 11.The mobile data processing device according to claim 9, wherein said power supplying device is a notebook and said power receiving device is a personal assistant.

[c12] 12.A portable connector comprising:  
an input port for connecting an external power supply adapter for receiving external power supply;  
an output port for connecting a power receiving device; and  
a mobile device power server (MD PS) comprising a voltage regulator for receiving an input voltage from via said external power supply adapter, generating a reference voltage, and supplying the reference voltage to said output port.

[c13] 13.The portable connector according to claim 12, wherein said (MD PS) further comprises a reference voltage generator for providing reference voltage(s) to said voltage regulator circuitry and a reference voltage selection circuit choosing said provided reference voltage.

[c14] 14.The portable connector according to claim 12, wherein said (MD PS) further comprises for each power receiving device an independent voltage regulator, an independent protection circuit, and an independent output.

[c15] 15.The portable connector according to claim 12, wherein said (MD PS) further comprises a protection circuit for protecting said (MD PS) against high voltages.

[c16] 16.The portable connector according to claim 12, wherein said (MD PS) is used

